

DEPARTMENT OF THE NAVY

NAVAL SUPPORT ACTIVITY WASHINGTON 1411 PARSONS AVENUE SE STE. 303 WASHINGTON NAVY YARD DC 20374-5003

> 5090 Ser N4/219 September 05, 2017

Ms. Karen Crumlish Chief, Drinking Water Branch (3WP21) EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029

Dear Karen Crumlish:

SUBJECT: REVISED TOTAL COLIFORM REPORT, U.S. NAVAL OBSERVATORY

Enclosed is the Revised Total Coliform Report for the monitoring period August 2017 at the U.S. Naval Observatory.

If you have any questions or require further information, please contact Mr. Dane Bowker, Public Works Department Drinking Water Program Manager at 202-433-4191 or email: dane.bowker@navy.mil.

Sincerely,

Quang Nguyen, PE

Acting Installation Environmental

Program Director

By direction of the Commanding Officer

Enclosures: 1. Total Coliform Report

2. Certificate of Analysis for RTCR

Naval Observatory PWS: DC0000005
August Sampling Report

First Half Total Samples: 1
Sample Date: 8/2/2017 Total Samples Negative: 1

Total Samples Positive: 0

Sample Numbe	r Sample Point	Sample Point	Collector Name	Compliance	Sample Colle	ample Collection L		Lab Analysis		Sample	Chlorine	Free	рН	Temp (C)	Total	E.
	Identifier	Name		Indicator			Received	eceived		Comments	Residual	Chlorine			Coliform	Coliform
												Residual			Analysis	Analysis
					Date	Time	Date	Date	Time	1	Value	Value]		Result	Result
											(mg/L)	(mg/L)				
17H0357-01	NSF-OBSY-59	BLDG 59	Guyan Kularthne	Υ	8/2/2017	1351	8/2/2017	8/3/2017	1422		2.50		7.75	27.1	N	N



Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800 Fax: 410-633-6553 www.microbac.com

August 07, 2017

Revised Report

Report No.: 17H0357

COVER LETTER

Kosala De Silva Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045

RE: USNO

Report Amended to correct residual chlorine data.

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 08/02/2017 15:45.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Certifications/Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

Coulle Davis

8/7/2017

Final report reviewed by:

Coretta S. Davis/Project Manager

Report issue date

 $All \ samples \ received \ in \ proper \ condition \ and \ results \ conform \ to \ ISO \ 17025 \ and \ TNI \ NELAC \ standards \ unless \ otherwise \ noted.$

If we have not met or exceeded your expectations, please contact Coretta S. Davis/Project Manager at 410-633-1800. You may also contact Trevor Boyce, President at trevor.boyce@microbac.com. Any complaint about the quality of reported results may be referred to the accrediting authority if such complaints cannot be resolved directly with the customer.



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: USNO
Project Number: 15-0011-214
Project Manager: Kosala De Silva

Report: 17H0357

Reported: 08/07/2017 15:47

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Туре	Date Sampled	Date Received			
NOBSY-59	17H0357-01	Drinking Water	Grab	08/02/2017 13:51	08/02/2017 15:45			

Microbac Laboratories, Inc. - Baltimore

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Coretta S. Davis, Project Manager Original Report Page 2 of 8



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Inspection Experts, Inc 9220 Rumsey Rd., Bay # 5 Columbia, MD 21045 Project: USNO Project Number: 15-0011-214 Project Manager: Kosala De Silva Report: 17H0357

Reported: 08/07/2017 15:47

NOBSY-59

17H0357-01 (Drinking Water) Sampled: 08/02/2017 13:51; Type: Grab

				Reporting							
Analyte			Result	Limit	Units	Limits	Prepared	Analyzed	Analyst	Method	Notes
Field Analysis	<u>s</u>										
Analyst:	NA	pH:	7.75	Flow (g/min):	NA	Res. C	cl (mg/L):	2.5	GW Elev.(f		
Temp. (C):	27.1	Turb. (ntu):	NA	D.O. (mg/L):	NA	Cond.	(umhos/cm):	NA	LEL (%):	NA	
ORP (mV):	NA	Volume (L):	NA	Flow (g/day):	NA	Salinit	ty (ppt):	NA	Ambient Te	NA	
				Microba	ac Laboratori	ies, Inc B	Baltimore				
Microbiology											
Coliform, Tot	al	1	Negative		per 100ml	1.0	080217 1905	080317 1422	VAS	SM 9223B Colilert-1	8
E. Coli]	Negative		per 100ml	1.0	080217 1905	080317 1422	VAS SM 9223B Colilert-		8

Microbac Laboratories, Inc. - Baltimore

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Coretta S. Davis, Project Manager Original Report Page 3 of 8



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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc Project: USNO 9220 Rumsey Rd., Bay # 5 Project Number: 15-0011-214 Columbia, MD 21045

Reported: 08/07/2017 15:47

Report: 17H0357

Project Manager: Kosala De Silva

Project Requested Certification(s):

A2LA (Biology)

State of Maryland (Drinking Water)

Analyte Certification Exception Summary

No certification exceptions

All analysis performed were analyzed under the required certification unless otherwise noted in the above summary.

Certification List

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Code	Description	Certification Number	Expires
 Microbac La	boratories, Inc Baltimore		
A2LA1	A2LA (Biology)	410.02	04/30/2019
A2LA2	A2LA (Environmental)	410.01	04/30/2019
VA-B	Commonwealth of Virginia (NELAC) - Baltimore	460285	03/14/2018
CPSC	CPSC Testing of Childrens Products and Jewelry	410.01	04/30/2019
Pb	Environmental Lead (ELLAP)	410.01	04/30/2019
FL	Florida - NELAC	E871126	06/30/2018
MD	State of Maryland (Drinking Water)	109	06/30/2018
WV	West Virginia	054	08/31/2017
 Microbac La	boratories, Inc Richmond		
VA-R	Commonwealth of Virginia (NELAC) - Richmond	460022	06/14/2018

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CERTIFICATE OF ANALYSIS

Inspection Experts, Inc Project: USNO Report: 17H0357

9220 Rumsey Rd., Bay # 5 Project Number: 15-0011-214
Columbia, MD 21045 Project Manager: Kosala De Silva

Reported: 08/07/2017 15:47

Qualifiers/Notes and Definitions

General Definitions:

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



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Cooler Receipt Log

Cooler ID: Default Cooler		Cooler Temp: 5.50°C Work Order: 17H0357
Custody Seals Intact:	Yes	COC/Containers Agree: Yes
Containers Intact:	Yes	Correct Preservation: Yes
Received On Ice:	Yes	Correct Number of Containers Received: Yes
Radiation Scan Acceptable:	Yes	Sufficient Sample Volume for Testing: Yes
COC Present:	Yes	Samples Received in Proper Condition: Yes

Comments:

Instructions for completing the Chain

Microbac Laboratories Inc., Baltimore Division 2101 Van Deman St, Baltimore, MD 21224

@ MICROBAC"

Tel: 410-633-1800

www.microbac.com

Chain of Custody Record

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							0357			Comments									tion	tion.	tion
o de la	Compliance O Yes O No Agency:				QC Pacakge	C Level II**	C Level III**	O Level IV**	Level IV**									[] Archive	Printed Name/Affilia	Printed Name/Affillation	re) Printed Name/Affiliation
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	RUSH*					inc net		Analysis	Tamn (°C)	(a) dina	27.1							ppropriate	Agceived By (sign	Received By (signature)	Received for Lab By (signature)
Turn Around Time —	Standard O	5		- Another	81000	xosala@ioioio		Requested Analysis	Ę	1	7.75							Jispose as a	1545	Recei	Receiv
L Turn Aron	• Sta	7		T Donate Charles	EDD	Email			TC/EC P/A SM9223B	1							100 100	Date Time A Dispose as appropriate	20	Date/Time	Date/Time
								H	No. of Containers	╀	×		= 1		+		- 10	Date	08	Date	Date
					ne				Descreed		140						Same	lon	Inthe	uou	uo
Project Information	USNO	Number, 1511-223			Name: Gayan Kularathne	240-252-0841	3697GK		Date Collected	08/02/47	117000				1	Ì	Radioactive	inted Name/Affiliat		inted Name/Artillation	Inted Name/Affiliation
ct Infor	Name: USNO	mber.	90	ler	lame:	Phone: 24	Cert ID: *** 06		Filtered		1			1		t	Sn	Prim	11		Print
Proje	<	N		Sampler	2	ď	Cert		Composite								Non-Hazardous	(0,	. N	ature)	ature)
1									Grab	×	1	10					Non-H	gnatur	W	y (sign	/ (sign
								-	****xinteM	MC			-	-	111		_	37,661	1/3	B ped B	shed B
	nc.	Bay #5	10										1] Hazardous	Sampled By (signature)		Relinearshed By (signature)	Relinquished By (signature)
ler.	Name: Inspection Experts Inc.	Address: 9220 Rumsey Road, Bay #5	Columbia, MD 21045		Name: Kosala De Silva	Number: 410-715-3939	Email: kosala@ieinc.net		Client Sample ID								Possible Hazard Identification	Containers:		ecelpt("C): 0.5 eived on Ice of	Refrigerated from Client: (Yes) / No Radiation Scan Acceptable Yes / No
Customer	Name:	Address:		Contact	Name:	Number	Email.			NOBSY-59							Possible Ha	Number of Containers:	Cooler Number:	Sample Received on Ice	Refrigerated Radiation Sca

**** Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Soild (S), Oil(O), Wipe(WI), Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WM), Other (specify)

rev.121112

Page

Instructions for completing the Chain of Custody Record

*** Sampler certification ID needed for some agencies.

WHITE - ORIGINAL LAB

** Surcharge May Apply to add'l QC Packages

* Please notify lab prior to drop off.

Instructions for completing the Chain of Custody Record on back.

Page 1 of

Microbac Laboratories Inc., Baltimore Division MICROBAC* 2101 Van Deman St, Baltimore, MD 21224

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Customer

Chain of Custody Record

	Г						/H038			Comments											
	Standard O RUSH* O Yes O No Needed By: Agency:			C OC Pacakge	Level I	C Level II**	Level IV*													I l'Archive	
1								Total	(mg/L)	4.0	-		Ì		1	i	T	1] Return	
						inc.net	nalvsis		Temp (°C)	1.12	+							1		propriate [
The There			Report Options EDD Email kosala@leinc.net			kosala@ie	Requested Analysis	Ŧ.		7.75										dample Disposition [X] Dispose as appropriate	
Tim Are	Turn Aroun Stand Needed By								1											Idon [X]	
						T		H	Vo. of Containers	+	×										endein ei
					a	2			betoelloO emil		1341									Same	danie
rmation	USNO	1511-223			Gavan Kularathne	Phone: 240-252-0841	697GK		betselloD ets0	14.7	+									Radioactive	Deliaded Management
Project Information	Name: USNO	Number, 1511-2	PO	oler	Sampler Name: Gayan Phone: 240-25; Cert ID:***				Filtered						13					-	ò
Proj		Z		Sampler			Cert		Somposite		I									Non-Hazardous	(0
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								-	****xintsM	DW	1	-	-	-	-	-				[] s	By Jei
	ts Inc.	ad, Bay #5	045						Q											[] Hazardous	Sampled By (signature)
D.	Name: Inspection Experts Inc.	Address: 9220 Rumsey Road, Bay #5	Columbia, MD 21045		Name: Kosala De Silva	Number: 410-715-3939	Email: kosala@ieinc.net		Client Sample ID											Possible Hazard Identification	ontainers:
Customa	Name:	Address:		Contact	Name:	Number:	Email:			NOBSY-59										Possible Ha.	Number of Containers:

**** Matrix Types: Air(A), Childrens Product(CP), Food(F), Paint(P), Soil/Soild (S), Oil(O), Wipe(WI), Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specif *** Sampler certification ID needed for some agencies.

rev.121112

Page

YELLOW - RECEIPT

WHITE - ORIGINAL LAB

Received for Lab By (signature)

Date/Time

Relinquished By (signature)

OS O2.

Instructions for completing the Chain of Custody Record

** Surcharge May Apply to add'l QC Packages

Radiation Scan Acceptable Yes / No Sample Received on Ice of Refrigerated from Client; (Yes) / No

Temp upon receipt(°C): 5.5

Cooler Number:

* Please notify lab prior to drop off.